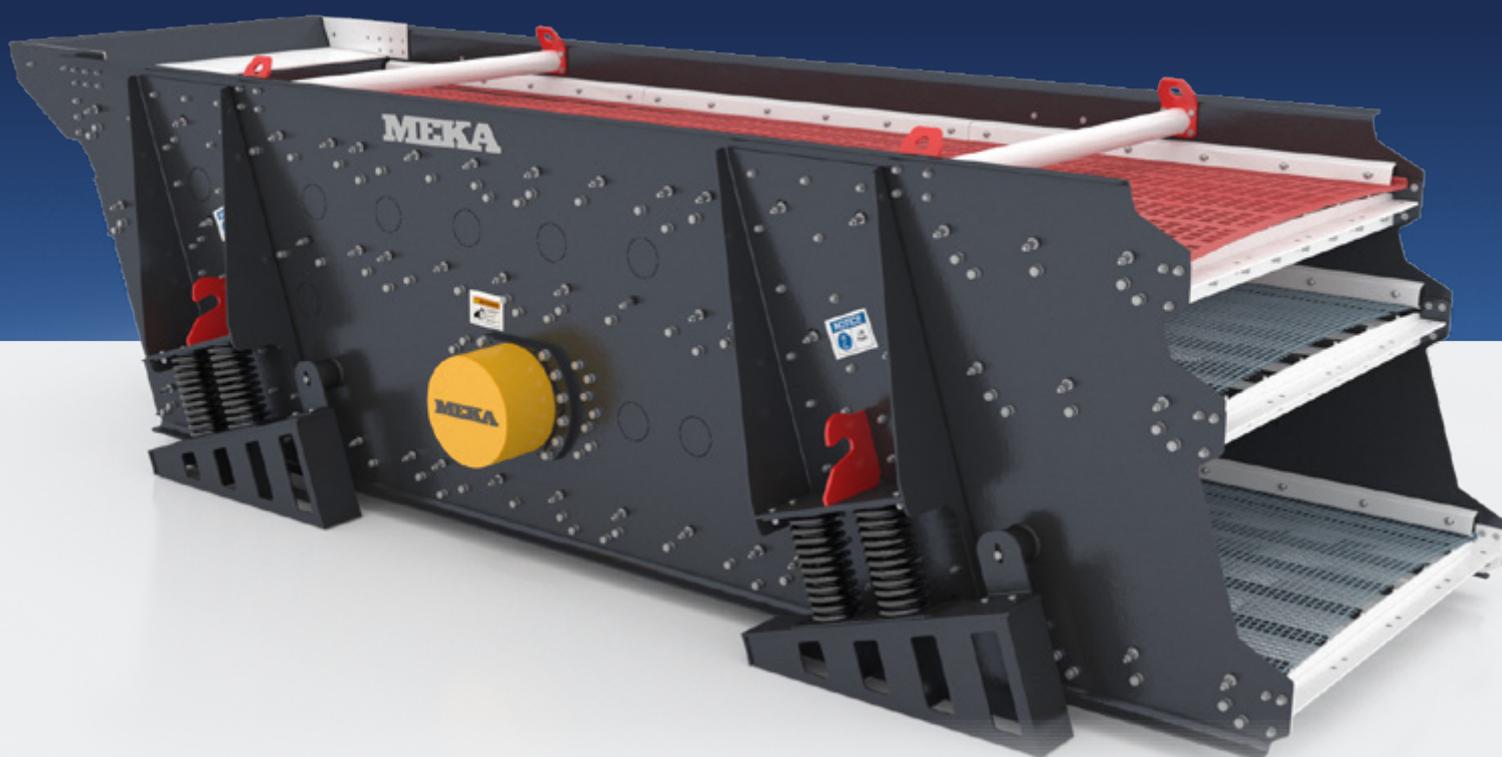


MS SERIES

# INCLINED SCREENS



**FOR THE TOUGHEST WORKING CONDITIONS**

› DURABLE › RELIABLE › EFFICIENT

**MEKA**

[www.mekaglobal.com](http://www.mekaglobal.com)

# INCREASE YOUR PLANT THROUGHPUT WITH UNPARALLELED SCREENING PERFORMANCE

MEKA Inclined Screens combine quality, safety and performance for a long service life even in the most demanding applications. The circular stroke movement optimizes production capacity by reducing return load while increasing screening efficiency.

Thanks to the circular motion mechanism, MEKA Inclined Screens easily adapt to different screening conditions. The precise adjustment of amplitude and speed helps to achieve maximum efficiency according to the changing material structure. The extra strong body structure, huck bolt connection systems, modular drive mechanism and self tensioning motor mounts ensure long-term and trouble-free use.

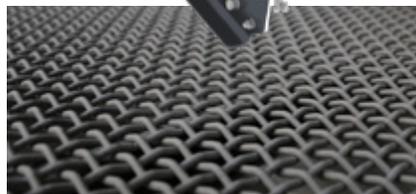
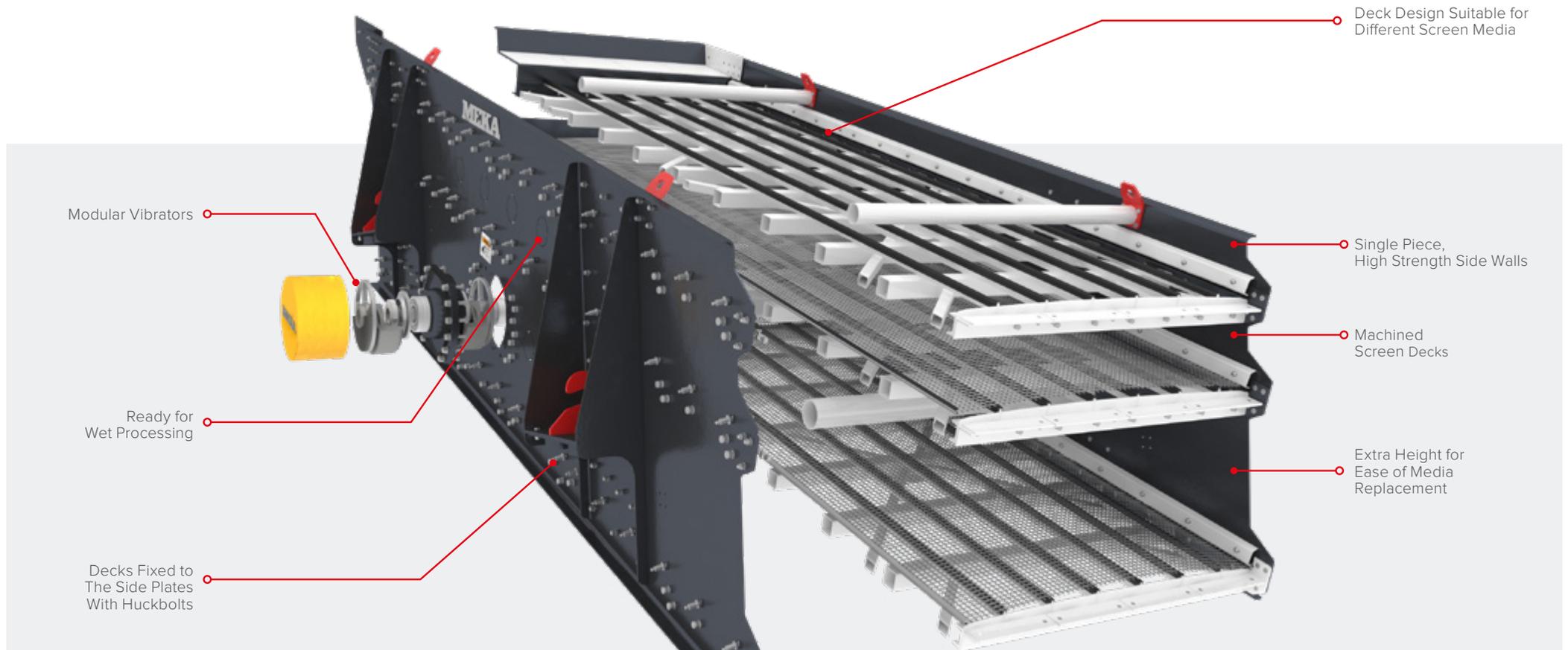
Working inclined with respect to the ground, this high g-force screen is used to classify various materials in many different industries. Depending on the application, the stroke length and operating speed can be adjusted quickly and easily. The modular design facilitates maintenance processes, while different screen cover systems reduce dust emission and ensure an environmentally friendly screening process.

With its durable construction, flexible design options and high efficiency, MEKA inclined screens offer a reliable solution for crushing and screening plants.



# READY FOR THE HEAVIEST WORKLOADS WITH EVERY DETAIL

**MEKA**  
MS SERIES  
INCLINED SCREENS



# WHY MEKA INCLINED SCREEN?

## HUCK-BOLTED ASSEMBLY SIDE PLATES

Screen bodies with conventional bolted assemblies create extra labor costs, increase safety risks, and reduce overall profitability because of the rupture of bolts caused by loosening nuts. Meka's MS series vibrating screens with huck-bolted assembly don't require maintenance for nuts and bolts, so they help ensure workplace safety.



## MODULAR-TYPE DRIVE SYSTEM

Meka MS series screens are equipped with a modular drive system for easy servicing. The two-piece drive-shaft can be detached easily one by one, reducing servicing duration. Additionally, the Cardan shaft connecting the modular shafts is superior to traditional, heavier, single-piece shafts in terms of easy maintenance.



## SELF-TENSIONED MOTOR BASE

In MS series vibrating screens, a self-tensioned motor base is a standard feature that protects both the electric motor and drive belts against tension caused by vibrations, meaning lower maintenance duration and lower costs for our customers.

## VIBRATION ANALYSIS

In the vibration analysis, MEKA inclined vibrating screen achieved the targeted stroke, acceleration, stroke angle and proved its suitability in the test area of the factory. MEKA measures the quality of its screens by combining the appropriate measurement and evaluation systems with advanced engineering knowledge by using the latest technology.



# WHY MEKA INCLINED SCREEN?

## DEM & FEM ANALYSIS

Pioneer computational analysis methods are used at MEKA research and development centers. For instance, Discrete Element Method (DEM) is the most advanced method for the aggregate industry. It accurately simulates the flow behavior of bulk materials with complex particle shapes and size distributions. Finite Element Method (FEM) is another software that provides to simulate machine parts' reaction under working loads, thermal conditions, etc. MEKA designs machines with various latest methods to increase the service time of the components.

Resonance is a disaster for all machines, especially vibrating, like screens. Modal analysis is the most appropriate method to obtain resonance frequencies. MEKA applies modal analysis techniques to all screens and vibrating machines to obtain stability at any stage of production.



## HIGH QUALITY SCREEN BODY STEEL PLATE RESISTANT TO VIBRATION

Every MS series inclined screen is made of high-tensile heat-treated side plates that are resistant to vibration, allowing our customers to use them long-term with the same durability as during first use. With this steel plate's durability, the screen body becomes more tolerant and resistant to vibration.

In this way, our innovations prevent fractures that commonly occur on other screens, particularly close to the drive system. Such fractures make the screen unusable by expanding on the side plate.

## WET SCREENING

The washing system has been designed for complete reliability with;

- Replaceable nozzles,
- Inclined perforated tubes that can adjust the angle of the jets,
- An adjustable valve per spray pipe,
- Sealing boots along the side plates,
- Perforated rubber tubes



# TECHNICAL SPECIFICATIONS

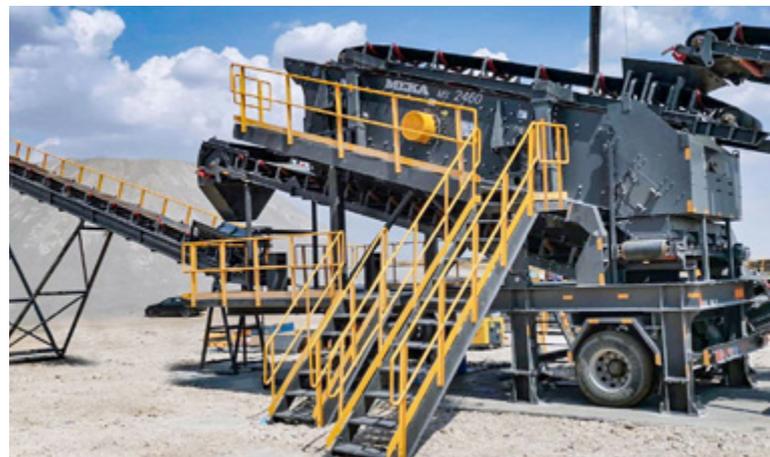


## SPECIFICATIONS

	*Weight(kg)		Widthx Length		Power	
Model	kg	lbs	Metric (rnrn)	Imperial (inc h)	kW	HP
MS 1540X2	3631	8005,0	1500 x 4000	59 x 157,5	15	20
MS 1540X3	4610	10163,3	1500 x 4000	59 x 157,5	15	20
MS 1540X4	6176	13615,7	1500 x 4000	59 x 157,5	22	30
MS 1650X2	4225	9314,5	1600 x 5000	63 x 197	15	20
MS 1650X3	6220	13712,7	1600 x 5000	63 x 197	18,5	25,0
MS 1650X4	7534	16609,6	1600 x 5000	63 x 197	22,0	25,0
MS 1850X4	7250	15983,5	1868 x 4877	73,5 x 192	22,0	25,0
MS 2050X2	4600	10141,3	2000 x 5000	79 x 197	15	20
MS 2050X3	6731	14839,3	2000 x 5000	79 x 197	22,0	30,0
MS 2050X4	8750	19290,4	2000 x 5000	79 x 197	22	30
MS 2060X2	5592	12328,2	2000 x 6000	70 x 236	18,5	25,0
MS 2060X3	7468	16464,1	2000 x 6000	70 x 236	22	30
MS 2060X4	9289	20478,7	2000 x 6000	70 x 236	22	30
MS 2460X2	6111	13472,4	2400 x 6000	94,5 x 236	22	30
MS 2460X3	8158	17985,3	2400 x 6000	94,5 x 236	30	40
MS 2460X4	9943	21920,5	2400 x 6000	94,5 x 236	30	40
MS 2563X2	6598	14546,1	2500 x 6300	98,4 x 248	30	40
MS 2563X3	8672	19118,5	2500 x 6300	98,4 x 248	30	40
MS 2563X4	13435	29619,1	2500 x 6300	98,4 x 248	37	50
MS 2573X2	10580	23324,9	2500 x 7300	98,4 x 287,4	30	40
MS 2573X3	14000	30864,7	2500 x 7300	98,4 x 287,4	37	50
MS 2573X4	19022	41936,3	2500 x 7300	98,4 x 287,4	2x30	2x40

\*Weights shown do not include drive motor package, support legs, maintenance platform, inlet and outlet chutes.

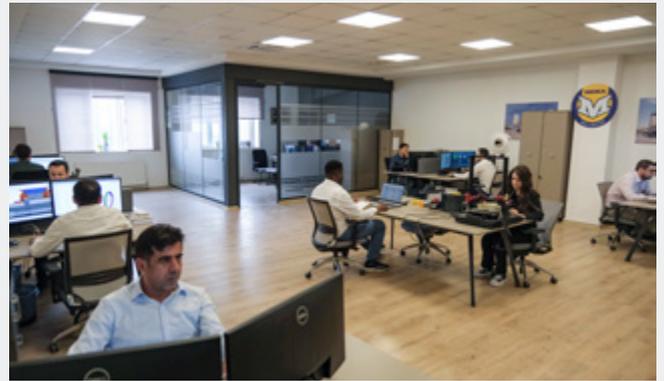
TRUSTED BRAND  
IN MORE THAN  
38 YEARS



# THE CHOICE OF PROFESSIONALS IN MORE THAN 110 COUNTRIES: **MEKA**

MEKA has a global capacity with more than 80 engineers, nearly 500 employees and experience of producing more than 4500 complete plants. With 5 separate production facilities and a worldwide service network, MEKA is a reliable manufacturer.

With its after-sales services network and strong infrastructure in spare parts, MEKA does not only produce equipment or plants, but also offers you the comfort of predictable production and uninterrupted earnings.





Reliable Solutions for  
Aggregate Production, Mining,  
Recycling and Ready Mixed  
Concrete Industries



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